





PRODUCT SELECTION & PRICING GUIDE



PULS - The Market Leader

Reliability and Sustainability from the Market Leader!

For over 30 years, PULS has been dedicated to providing the best in quality, technology, application support, and customer service available to the industrial Din-Rail power supply market. This singular focus on the DC Power Market's requirements and needs has resulted in PULS obtaining a market leadership position in this demanding industry.

The heart of your control system is your power supply. With PULS you can be assured that you are obtaining a product that is a leader in efficiency with the longest life and reliability. The PULS philosophy, of not obsoleting older designs, saves you money and time by eliminating the need to re-engineer your product when a vendor launches a new product generation and forces you to change.

PULS unique bonus power and power boost assures you of power being available when you need it and eliminates the need for oversizing, resulting in higher component costs and wasted energy.

PULS highly efficient products contribute to a longer life of all electronic components in your application, by lowering the internal temperature in your control cabinet. Our small footprint and lower heat losses often result in a smaller enclosure

In the last several years, PULS has opened the two most modern and highly "Sustainable" manufacturing plants in this industry. Our newest facility has obtained the status of Leed Gold Certification. This assures that PULS users are purchasing the most energy efficient products in the world, produced in a highly efficient facility. The PULS dedication to "Sustainability" has many advantages for you.

In North America, we stock every product listed in this selection guide and welcome your calls to our Customer Support and Application Engineering Team.

The products listed in this selection guide are only a small offering of our extensive product range. Visit our web site at www.pulspower.us for detailed comprehensive information on all our products.

We appreciate your business and look forward to continuing to offer you the best in product, support and service.

Larry Westbrook
President – PULS North America

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PULS Support is Available

Contact our Application or Customer Service Team for availability and other questions you might have at (630) 587-9780 or info@puls-us.com.

Educational Resources



PULS North American Headquarters in St. Charles, IL



Visit Us at www.pulspower.us

Many suggestions and requirements from customers have been included in our newly revised web site – now featuring an array of additional information, documents and data files. This makes using PULS even easier. For many of our units you can find the following information:

- The most important features and parameters of individual devices
- Mechanical dimensions
- Functional diagrams
- Output characteristic curves
- CE Declaration of Conformity
- Related products
- Suitable accessories for individual devices
- E-Plan macros
- 2-D CAD design data file formats (.dxf and .dwg files)
- 3-D CAD design data file formats (.stp and .dwf files)
- 3-D formats can be displayed on most PCs using free viewer software from Autodesk®.
- Many various approval certificates and approval reports
- Links to corresponding UL and other agency sites where our products are listed
- Find your North American local representative

A new datasheet archive has also been added for old and obsolete products such as the AP and DP units.

It always pays to visit www.pulspower.us. This can make your work much simpler and save lots of time.



Sustainability & Reliability in Everything We Do

Sustainability is a state where development "meets the needs of the present without compromising the ability of future generations to meet their own needs". Sustainability is meant to ensure that prosperity is achieved without sacrificing the resources and assets of future generations. It requires an integrated focus on the core values of social equity, economic prosperity and environmental integrity. The emphasis on balance between the three core areas is also referred to as the "triple bottom line" and is a recognized pathway to long-term community success.

ENVIRONMENTAL

- Green, Efficient Products
- Highly Efficient and Green Certified Supply Chain
- Lightest and Smallest Products Resulting in Lower Shipment Costs and Smaller Enclosures

SOCIAL

- Leader in Market Education
- Provider of Detailed and Guaranteed Technical Information
- 30+ Years of Community Involvement

ECONOMIC

- Lowest Energy Consumption
- Less Heat Adds to Life of All Components in Control System
- Longest Life
- Lowest Total Cost of Ownership





"PULS is a global leader, not only in the products we build, but in how we build our products."





PULS Green Award Winning Plant in China



The Greenes T Power supply on earth

10 Reasons for Choosing PULS

EFFICIENCY

- Highest energy efficiency in the market
- Less heat generated in the enclosure allows a longer lifetime for all components in the system
- Least energy consumption for the user



- AC Single, 3-Phase & DC Input power supplies
- DC to DC power converters
- Specific Network power supplies
- Redundancy Modules & Redundant Power Supplies
- DC-UPS Controllers with individual battery monitoring and charging





CONTROL OF SUPPLY CHAIN & MANUFACTURING

- From development to shipment the entire process is controlled by PULS
- Two ultra modern manufacturing facilities built and opened in last 5 years
- Delivery to your requirements



DEVELOPMENT ENGINEERING RESOURCES

- PULS employs over 50 engineers and technicians exclusively dedicated to developing DC power products for your application
- Modified standard products available for volume applications



- Continually introducing the next generation of DC power solutions while maintaining existing designs
- PULS does not phase out or obsolete standard products
- Eliminates the forced changes in your design due to obsolescence
- Availability you can count on for years







The Right Product for YOUR Application

THE DC POWER SPECIALIST

- DC power products are our only business
- Market education and training leader
- Data sheets that you can rely on to meet the stated performance



LOWEST TOTAL COST OF OWNERSHIP

- Small footprints result in smaller cabinet requirements
- Lower heat generation also leads to smaller cabinets
- Long life prolongs the replacement costs
- Less energy consumed to do the same job



QUALITY & LIFE TIME

- Longest life in the industry
- Quality is assured with every product
- Performance to data sheets is guaranteed



TECHNOLOGY LEADER

- Advanced design techniques utilized to lead the market in new product innovations
- Recognized by Frost & Sullivan as the Technology Leader



CUSTOMER SERVICE & APPLICATION ASSISTANCE

- Application engineering support available to assist you with the best product for your application
- Highly trained sales reps available to assist you with your application
- Friendly and responsive customer service team available to assist you with your availability and delivery questions







SilverLine

The classic power supply family for general applications which have been proven over a million times and has been continuously available since the mid 1990's.

- Single or 3-Phase Input
- · Redundant Power Supplies
- AS-Interface® Power Supplies
- · Redundancy Modules



MiniLine

The MiniLine series covers the lower power requirements in the range from 15W to 100W. The units in their rugged plastic housing are highly efficient, compact, can be installed in seconds and are extremely reliable. In addition to the standard 24V power supplies, many other output voltages are also available.

- 100-240 or 380-480V Input
- Output Voltages from 5V to 56V
- · Robust Plastic Housing
- Spring Clamp Terminals on Standard Models and Screw Terminals on the Compact Units
- Wide Temperature Range from -10°C to +70°C and Select Models Down to -40°C
- Redundancy Modules

		1-Phase Supplies	3-Phase Supplies	DC/DC Converters	DC-UPS	Buffer Modules	Redundancy Modules
MiniLine		15-100W	90-100W	-	-	-	10A
SliverLine		40-240W	120-960W	40W	-	24V	2.5-40A
Dimension	C-Series	80-240W	96-240W	92-120W	-	-	-
	Q-Series	80-960W	480-960W	480W	-	-	-
	X-Series	-	960W	-	-	-	-
	U-Series	-	-	-	10A	24V, 48V	-
	Y-Series	-	-	-	-	-	20-80A





Dimension

Dimension offers you everything from basic units with only essential functions to premium products for more demanding applications. Other Dimension products include DC/DC converters, buffer modules, DC-UPS's and a large assortment of accessories. Due to the wide variety of options, you only pay for the features you need.

C - Series Power Supplies and DC/DC Converters

For users looking for highly reliable power supplies in a compact housing which are easy to use. Focusing only on the essentials, achieves significant price advantages.

- 20% Current Reserves
- Low Inrush Current Surge
- Large Screw Terminals

- Series Premium Class Power Supplies

Suitable when you need state-of-the-art technology and flexibility for demanding tasks. With outstanding efficiencies, 50% BonusPower® and many other features, this series is the "Best in Class".

- 50% Current Reserves
- AC and DC Input
- Low Inrush Current Surge
- DC-OK Relay Contact (Except QS3)
- Excellent Power Factor
- Active Power Factor Correction (PFC)
- · Active Filter against Input Transients
- . Spring Clamp Terminals (Except 40A)
- Extensive Approval Package

U - Series Buffer Modules & DC-UPS

Back-up systems for minutes with a DC-UPS needing only one 12V-battery or for seconds with our battery-free buffer module. This improves safety and prevents downtime, loss of data and long restart sequences.

X - Series 3-Phase Power Supplies for Power Applications

For motors and other power-hungry loads. Small size, maximum efficiency and low price are the benefits with only minor compromises in a few features.

- 25% Current Reserves
- No Inrush Current Surge
- Efficiencies up to 96%

Y - Series Redundancy Modules

For building redundant power supply systems or to isolate sensitive circuits.

- · Redundancy Modules with Alarm Contacts
- Redundancy Modules without Alarm Contacts

Z - Series Mounting Accessories

For installation in low profile cabinets or for panel installations where no DIN-rail is available.

Single Phase Plastic Housing Power Supplies



MiniLine ML100.100

- Excellent Efficiency
- Spring Clamp Terminals
- Robust Design
- Operational Temperature -10° to + 70°C
- MTBF over 4,000,000 hours



Compact MiniLine ML30.241

- Excellent Efficiency
- Large Screw Terminals
- Robust Design
- Operational Temperature:

-10° to + 70°C – Standard

-40° to + 70°C - Select Models

• MTBF over 7,000,000 hours

Features

Features

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MiniLine PI	astic Housing	Power S	Supplies			က		ı	ı	1	1			
Output Voltage	Output Current	Watts ¹	AC Input Voltage ² (50 - 60Hz)	DC Input Voltage ²	Screw Terminals	Spring Clamp Terminals	PFC (EN61000-3-2)		NEC Class 2			-40°C Operating Temp	Catalog Number ⁷	List Price (USD)
5 - 5.5VDC	5A	25W	100 - 240VAC⁵	110 - 300VDC		•			•	•	•		ML30.101	\$124.00
10 - 12VDC	3A	30W	100 - 240VAC⁵	110 - 300VDC		•			•	•	•		ML30.102	\$133.00
12 - 15VDC	4.2A	50W	100 - 240VAC⁵	110 - 300VDC		•			•	•	•		ML50.102	\$155.00
12 - 13000	7.5A	90W	100 - 120/200 - 240VAC ⁶	290VDC		•	•	•		•	•		ML100.102	\$210.00
+/-12 or +/-15VDC	1.4 - 2.8A	36W	100 - 240VAC ⁵	110 - 300VDC		•			•		•		ML30.106	\$139.00
	1.3A	30W	100 - 240VAC⁵	110 - 300VDC		•			•	•	•		ML30.100	\$95.00
	2.1A	50W	100 - 240VAC⁵	110 - 300VDC		•			•	•	•		ML50.100	\$124.00
	3A	72W	100 - 120/200 - 240VAC ⁴	290VDC		•	•		•		•		ML70.100	\$144.00
24 - 28VDC	3.75A	90W	380 - 480VAC ³	-		•	•		•	L	•		ML90.200	\$239.00
	3.95A	95W	100 - 120/200 - 240VAC ⁶	290VDC		•	•		•	•	•		ML95.100	\$209.00
	4.2A	100W	100 - 120/200 - 240VAC ⁶	290VDC		•	•	•		•	•		ML100.100	\$162.00
	7.27	10077	380 - 480VAC ³	-		•	•				•		ML100.200	\$239.00
48 - 56VDC	1.05A	50W	100 - 240VAC⁵	110 - 300VDC		•			•		•		ML50.105	\$140.00
-0 - 00 V D C	2.1A	100W	100 - 120/200 - 240VAC ⁶	290VDC		•	•	•			•		ML100.105	\$210.00

Compact MiniLine Plastic Housing Power Supplies

Output Voltage	Output Current	Watts	AC Input Voltage² (50 - 60Hz)	DC Input Voltage ²	Screw Terminals	Spring Clamp Termina	PFC (EN61000-3-2)	Parallel Capable	NK Sign	Class I Division 2	a	40°C Operating Temp	PU Catalog Number	List Price (USD)
5 - 5.5VDC	3A	15W	100 - 240VAC ⁵	110 - 300VDC	•			•	•	•	•		ML15.051	\$72.00
	1.3A	15W	100 - 240VAC ⁵	110 - 300VDC	•	П		-	•	•	•		ML15.121	\$72.00
12 - 15VDC	4.5A	54W	100 - 240VAC ⁵	110 - 300VDC	•			•	1	•	•		ML60.121	\$155.00
	4.57	3444	100 - 240 VAC	110 - 300 V D C	•			•		•	•	•	ML60.122	\$178.00
	0.63A	15W	100 - 240VAC⁵	110 - 300VDC	•	П		•	•	•	•		ML15.241	\$64.00
24 - 28VDC	1.3A	30W	100 - 240VAC⁵	110 - 300VDC	•	П		•	1	•	•		ML30.241	\$100.00
2 4 - 20VDC	2.5A	60W	100 - 240VAC⁵	110 - 300VDC	•			•	1	•	•		ML60.241	\$128.00
	2.5A	0000	100 - 240VAC	110 - 300VDC	•			-		•	•	•	ML60.242	\$167.00



Single Phase Metal Housing Power Supplies



Dimension Q-Series QS5.241

- Industry's Smallest Footprint
- Efficiency up to 94%
- Spring Clamp Terminals
- 50% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 2,400,000 hours



Dimension C-Series CS5.241

- Industry's Smallest Footprint
- Efficiency up to 93%
- Screw Terminals
- 20% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 2,200,000 hours



Classic SilverLine SL5.102

- · Long Standing Usage in the Industry
- Efficiency up to 90%
- Screw Terminals
- 20% Current Reserves
- Operational Temperature -10° to +70°C
- MTBF over 2,100,000 hours

Features

Single Phas	e Metal Hous	sing Pow	er Supplies			, wi	1	1	1			1				
Output Voltage	Output Current	Watts ¹	AC Input Voltage ² (50 - 60Hz)	DC Input Voltage ²	Screw Terminals	Spring Clamp Terminals	Active Power Factor	Parallel Capable	20% Power Boost	50% Bonus Power	SEMI F47 Compliant	NEC Class 2	Class I Division 2	Internal Fuse	Catalog ,	List Price (USD)
	3A	40W	100-120 / 200-240VAC ⁴	110 - 300VDC	•		•							•	SL2.103	\$203.00
12 - 15VDC	15A	180W	100 - 240VAC ⁵	110 - 150VDC		•	•	•		•	• •		•	•	QS10.121	\$416.00
	13A	10000	100-120 / 200-240VAC ⁴	-	•									•	SL10.104	\$523.00
24VDC	2.5A	60W	100-120 / 200-240VAC ⁴	110 - 300VDC	•		•		Г			•		•	SL2.100	\$186.00
24700	4A	96W	100-120 / 200-240VAC ⁴	110 - 300VDC	•	П	•	T	Г			•	Г	•	SL4.100	\$296.00
	3.3A	80W	100 - 240VAC⁵	110 - 300VDC	•	П	•					•	•	•	CS3.241	\$155.00
	3.4A	80W	100 - 240VAC ⁵	110 - 300VDC		•	•	•	Г	•	•		•	•	QS3.241	\$205.00
			100-120 / 200-240VAC ⁶	-	•				•				•	•	CS5.241	\$205.00
	5A	120W	100 - 240VAC ⁵	110 - 300VDC		•	•	•		•	• •		•	•	QS5.241	\$281.00
			100-120 / 200-240VAC ⁴	110 - 300VDC	•		•		•					•	SL5.102	\$281.00
			100-120 / 200-240VAC ⁶	-	•				•				•	•	CS10.241	\$274.00
24 - 28VDC	10A	240W	100 - 240VAC ⁵	110 - 150VDC		•	•	•		•	• •		•	•	QS10.241	\$384.00
24 20100			100-120 / 200-240VAC ⁴	-	•				•				•	•	SL10.100	\$354.00
			100 - 240VAC⁵	-	•			•	•	_	•			•	CS20.2418	\$430.00
	20A	480W	100 - 240VAC⁵	110 - 150VDC		•	• •	_	L	•	• •		•	•	QS20.241	\$533.00
			100-120 / 200-240VAC ⁶	-	•	Ш		•	•					Ш	SL20.110	\$602.00
	30A	720W	200 - 240VAC⁵	-	•	Ш		•	L					•	SL30.100	\$709.00
	40A	960W	100 - 240VAC⁵	-	•	Ш	• •	•		-	•			•	QS40.2418	\$850.00
	40/1	00011	200 - 240VAC⁵	-	•		•	•		•	•		•	•	QS40.244	\$755.00
28 - 32VDC	8A	240W	100 - 240VAC⁵	110 - 150VDC		•	•	•		•	•			•	QS10.301	\$444.00
36 - 42VDC	13.3A	480W	100 - 240VAC⁵	110 - 150VDC		•	•	•		•	•		•	•	QS20.361	\$694.00
00 42180	10.071	40077	100-120 / 200-240VAC ⁶	-	•		•	•	•						SL20.112	\$686.00
			100-120 / 200-240VAC ⁶	-	•				•				•	•	CS10.481	\$344.00
	5A	240W	100 - 240VAC⁵	110 - 150VDC		•	• •	•		•	•		•	•	QS10.481	\$513.00
48 - 56VDC			100-120 / 200-240VAC ⁴	-	•	Ш			•					•	SL10.101	\$473.00
.0 00.20	10A	480W	100 - 240VAC⁵	110 - 150VDC		•	• •	•	L	•	•		•	•	QS20.481	\$583.00
			100-120 / 200-240VAC ⁶	-	•	Ц		•	•					Ш	SL20.113	\$675.00
	20A	960W	200 - 240VAC ⁵	-	•		•	•		•	•		•	•	QS40.484	\$910.00

- 1 For higher wattage applications, paralleling of power supplies is possible. PULS recommends using units that are "Parallel Capable" for parallel applications.
- 2 See data sheet for input voltage tolerances.
- 3 For input, these units utilize only two of the three legs of a 3-Phase system.
- 4 Manual select input voltage.
- 5 Wide-range input voltage.
- 6 Auto-select input voltage.
- 7 Most common catalog numbers See pages 22 and 23 for complete listing.
- 8 Available late 2011 or early 2012.



3-Phase Power Supplies



Dimension Q-Series QT40.241

- · Industry's Smallest Footprint
- Efficiency over 95%
- Screw Terminals Some with Spring Clamps
- Up to 50% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 2,00,000 hours
- Very Low AC Inrush



Dimension X-Series XT40.242

- Unique Supply for Power Applications
- Efficiency up to 96%
- Screw Terminals
- 25% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 950,000 hours
- No AC Inrush



Classic SilverLine SL20.310

- Long Standing Usage in the Industry
- Efficiency up to 90%
- Screw Terminals
- 20% Current Reserves
- Operational Temperature -10° to +70°C
- MTBF over 2,100,000 hours

Features

3-Phase Power Supplies SEMI F47 Compliant PFC (EN61000-3-2) Clamp Bonus Output Output AC Input Voltage 2 List Price DC Input Voltage Current (50 - 60Hz) (USD) Watts 1 Number Voltage 12-15VDC 8A 96W 380 - 480VAC4 CT5.121 \$311.00 90W 380 - 480VAC4 ML90.200 \$239.00 3.75A 4.2A 100W 380 - 480VAC4 ML100.200 \$239.00 380 - 480VAC4 CT5.241 \$289.00 5A 120W 380 - 480VAC SL5.300 \$309.00 • 380 - 480VAC • CT10.241 \$344.00 240W 10A 24 - 28VDC • • 380 - 480VAC • SL10.300 \$371.00 380 - 480VAC • QT20.241 \$542.00 20A 480W 380 - 480VAC • • SL20.310 \$549.00 30A 720W • • 380 - 480VAC SL30.300 \$664.00 380 - 480VAC QT40.241 \$722.00 40A 960W 380 - 480VAC • SL40.300 \$759.00 • • 36 - 42VDC 13.3A 480W 380 - 480VAC QT20.361 \$720.00 380 - 480VAC • • CT10.481 \$422.00 240W 5A 380 - 480VAC • • • SL10.305 \$473.00 48 - 55VDC 10A 480W 380 - 480VAC \$611.00 QT20.481 20A 960W 380 - 480VAC QT40.481 \$866.00

Features

3-Phase Pov	wer Supplies	- For Pov	ver Applications			S	-1	1	ı			ı				
Output Voltage	Output Current	Watts	Input Voltage ² (50 - 60Hz)	DC Input Voltage	Screw Terminals	Clamp	ve Power Fac	PFC (EN61000-3-2)) \(\{\}\)	Bon	့ ပြ	SEMI F47 Compliant	Class I Division 2	nal Fuse	PU Catalog Number ³	List Price (USD)
24VDC	40A	960W	480VAC	-	•	П	•	•	•		П		Т	Г	XT40.242	\$611.00
36VDC	26A	960W	480VAC	-	•		•	•	•				Т	T	XT40.362	\$666.00
48VDC	20A	960W	480VAC	-	•		•	•	•						XT40.482	\$611.00
72VDC	13.3A	960W	480VAC	-	•		•	•	•						XT40.722	\$694.00

- 1 For higher wattage applications, paralleling of power supplies is possible. PULS recommends using units that are "Parallel Capable" for parallel applications.
- 2 See data sheet for input (or output) voltage tolerances.
- 3 Most common catalog numbers See pages 22 and 23 for complete listing.
- 4 For input, these units utilize only two of the three legs of a 3-Phase system.
- 5 Input voltage is manually selectable.



Redundancy Modules & Power Supplies



MiniLine Redundancy Module MLY02.100



Dimension Redundancy Module YR80.241



Dimension Redundancy Module with Signaling YRM2.DIODE



Classic SilverLine Redundancy Supply SLR5.100

- True Redundant Power Supply
- Efficiency up to 89%
- De-Coupling Diode Built In
- Relay Signal
- 20% Current Reserves
- Plug Screw Terminals
- Operational Temperature -10°to + 70°C
- MTBF over 2,000,000 hours

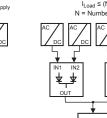
- Dual Input with Single Output
- Perfect for Redundancy
- Screw Terminals Some with Spring Clamps
- De-Coupling Diodes Specific units with MOSFETs
- Operational Temperature -40° to +70°C
- MTBF over 45,000,000 hours

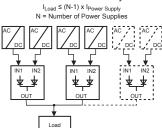
1+1 Redundancy

Power Supply

Redundancy Module

Load





N+1-Redundancy

Single Use (Redundant applications)

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Features

Redundancy	Modules					<u>s</u>	ī	ī	ī		
Output	Output	Power Supply Size	Input Voltage²	Redundancy Method	Screw Terminals	oring Clamp Terminals	n Contacts	Class I DIVISION 2	ALEA	-	List Price
Voltage²	Current	l	12 - 48VDC	1	Ö	S	_	ر •		MLY02.100	(USD) \$61.00
12 - 48VDC	10A	2 x 5A or 1 x 10A	12 - 48VDC	Diode Diode	•	Ť	_		_	MLY10.241	\$61.00
	20A	2 x 10A	12 - 48VDC	Diode		•	•	•	•	YR2.DIODE	\$100.00
	40A	2 x 20A	24 - 28VDC	MOSFET	•		•	•	•	YR40.241	\$194.00
24 - 28VDC	80A	2 x 40A	24 - 28VDC	MOSFET	•		•	•	•	YR80.241	\$322.00
24 - 20VDC	30A	2 x 30A	24 - 28VDC	Diode	•		•	T		SLR02	\$198.00
	40A	1 x 40A	24 - 28VDC	Diode	•		•			SLR01	\$182.00
24 - 48VDC	20A	2 x 10A	24 - 48VDC	Diode	•		•	•	•	YRM2.DIODE	\$133.00

Single Phase Redundancy Power Supplies -coupling Diod AC Input Voltage² Output Output List Price Catalog Voltage Current Watts (50 - 60Hz) DC Input Voltage² Number (USD) 2.5A 60W 100-120 / 200-240VAC⁵ 110 - 300VDC SLR2.100 \$222.00 24VDC 5A 120W 100-120 / 200-240VAC⁵ 110 - 300VDC SLR5.100 \$315.00 10A 240W 100-120 / 200-240VAC⁵ SLR10.100 \$455.00

Network Power Supplies



DeviceNet.

Dimension Q-Series QS5.DNET

- DeviceNet Conformance Tested
- Sized for DeviceNet Cables
- Efficiency up to 93%
- Spring Clamp Terminals
- Operational Temperature -25° to +70°C
- MTBF over 2,00,000 hours





Classic SilverLine SLA4.100

- Long Standing Usage in the Industry
- Efficiency up to 92%
- Screw Terminals
- Sized to AS-Interface cables
- Operational Temperature -10° to +70°C
- MTBF over 1,900,000 hours

Features

Single Phas	e DeviceNet	Power S	upplies - ODVA Com	pliance Tested		s	1	П	1	ī	П	ı			
Output Voltage	Output Current	Watts	AC Input Voltage ¹ (50 - 60Hz)	DC Input Voltage ¹	Screw Terminals	Spring Clamp Terminals	Active Power Factor	Selectable Overload	Ground Fault Monitor	SEMI F47 Compliant	NEC Class 2	Class I Division 2	Internal Fuse	PUL Catalog Number	List Price (USD)
24VDC	3.8A	92W	100 - 240VAC ²	110 - 300VDC		•	•		•	•	•	•	•	QS5.DNET	\$333.00
24100	8A	192W	100 - 240VAC ²	110 - 150VDC		•	•			•		•	•	QS10.DNET	\$466.00

Features

AS-Interfac	e Power Sup	plies				s	П	1	1	1	П	П	- 1			
Output Voltage	Output Current	Watts	AC Input Voltage ¹ (50 - 60Hz)	DC Input Voltage ¹	Screw Terminals	Spring Clamp Terminals	Power Fac	N61000-3-2	Ground Fault Monitor		SEMI F47 Compliant	NEC Class 2	Class I Division 2	Internal Fuse	Catalog Number	List Price (USD)
	2.8A	85W	100-120 / 200-240VAC ³	290VDC	•			•				•		•	SLA3.100	\$506.00
	4A	120W	100-120 / 200-240VAC ³	290VDC	•			•	•					•	SLA4.100	\$574.00
30.5VDC	4//	12000	-	18 - 32VDC 4	•									•	SLAD4.100	\$662.00
	8A	244W	100-120 / 200-240VAC ³	-	•			•						•	SLA8.100	\$788.00
] 54	274 / /	380 - 480VAC ⁵	-	•	Γ		•					T	•	SLA8.300	\$1,082.00

- 1 See data sheet for input voltage tolerances.
- 2 Wide-range input voltage.
- 3 Input voltage is manually selectable.
- 4 DC/DC converter with DC input.
- 5 3-Phase input voltage.



Conformal Coated & ATEX Power Supplies



Dimension Q-Series

QT20.241-C1 Conformal Coated Supply

- · Coated in an Acrylic Varnish
- · Holds Components Firmly in Place
- · Better Suited for these Applications
 - Outdoor
 - Shock & Vibration
 - Dust & Contaminations
 - Thermal Shock





QS20.241-A1 ATEX Approved Supply

- ATEX Approved
- Efficiency up to 93%
- Spring Clamp Terminals
- · Conformal Coated
- 50% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 1,400,000 hours

Features

Features

Conformal Coated Power Supplies Clamp Terminals **PULS Power Boost** Bonus Power Spring (Output Output List Price DC Input AC Input Voltage Watts 20% Voltage² DC Number (USD) Voltage Current (50 - 60Hz) 50W 100 - 240VAC4 110 - 300VDC ML50.109 \$178.00 2 1A 4.2A 100W 100-120 / 200-240VAC5 290VDC ML100.109 \$244.00 5A 120W 100-120 / 200-240VAC5 CS5.241-C1 \$255.00 24 - 28VDC 100 - 240VAC4 110 - 150VDC • QS10.241-C1 \$477.00 • 240W 10A 380 - 480VAC3 • • SL10.309 \$467.00 110 - 150VDC 100 - 240VAC4 • • QS20.241-C1 \$605.00 20A 480W 380 - 480VAC QT20.241-C1 \$605.00

ATEX Zone 2 - Single Phase Metal Housing Power Supplies

Output Voltage	Output Current	Watts ¹	AC Input Voltage ² (50 - 60Hz)	DC Input Voltage ^²	Screw Terminals	Spring Clamp Terminals	Power Fa	PFC (EN61000-3-2)	Parallel Capable 20% Power Boost	50% Bonus Power	DC OK Contact	SEMI F47 Compliant	Class I Division 2			List Price (USD)
	5A	120W	100 - 240VAC 4	110 - 300VDC		•	•	•	•	•	•	•	•	•	QS5.241-A1	\$444.00
24 - 28VDC	10A	240W	100 - 240VAC 4	110 - 150VDC		•	•	•	•	•	•	•	•	•	QS10.241-A1	\$577.00
	20A	480W	100 - 240VAC 4	110 - 150VDC	Т	•	•	•		•	•	•	•	•	QS20.241-A1	\$844.00

See Page 16 for ATEX approved DC/DC Converters.

See Page 13 for ATEX approved Redundancy Modules.

See Pages 10 - 12 for Class I Division 2 only Power Supplies.

- 1 For higher wattage applications, paralleling of power supplies is possible. PULS recommends using units that are "Parallel Capable" for parallel applications.
- 2 See data sheet for input voltage tolerances.
- 3 3-Phase input voltage.
- 4 Wide-range input voltage.
- 5 Auto-select input voltage.

DC/DC Converters



Dimension C-Series CD5.241

- Compact DesignEfficiency up to 91%
- Screw Terminals
- Soft-Start Feature
- 20% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 1,900,000 hours



Dimension Q-Series QTD20.241

- Perfect for Drive SystemsEfficiency up to 95%
- Spring Clamp Terminals
- Robust Input Filters
- Special Input Fuses
- 25% Current Reserves
- Operational Temperature -25° to +70°C
- MTBF over 500,000 hours

Features

DC/DC Co	nverters					S	ı			1	ī	i.		
Output Voltage	Output Current	Watts	AC Input Voltage	DC Input Voltage ¹	Screw Terminals	Spring Clamp Terminals	Parallel Capable	% Ро	K Con	NEC Class 2		Internal Fuse	Catalog Number	List Price (USD)
5.1VDC	8A	40W	-	18 - 36VDC	•		•	П					SLD2.100	\$298.00
12 - 15VDC	8A	96W	-	18 - 32VDC	•		•	•		•			CD5.121	\$333.00
24VDC	3.8A	92W	-	14 - 32VDC		•				•	•		CD5.241-L1	\$350.00
	4A	96W	-	8.4 - 16VDC	•		•	•		•			CD5.243	\$322.00
24 - 28VDC				18 - 32VDC	•		•	•		•	•	•	CD5.241	\$300.00
24 - 20100	5A	120W	-	10 - 32 VDC		•	•	•	•		•	•	CD5.241-S1	\$344.00
				36 - 60VDC	•		•	•		•			CD5.242	\$322.00

Features

DC/DC Cor	nverter - For	Drive Sys	stems			<u>s</u>	l	l	1	I	I	l			
Output	Outrout		AC love 4	DC land	Terminals	Clam	el Capable	ower Boost	Contacts	lass 2	I Division 2		al Fuse	PU Catalog	List Price
Voltage	Output Current	Watts	AC Input Voltage	DC Input Voltage ¹	Screw	Spring	Paralle	25% P	DC OK	NEC C	Class	ATEX	Internal	Number	(USD)
24 - 28VDC	20A	480W	-	480 - 840VDC		•	•	•	•				•	QTD20.241	\$544.00

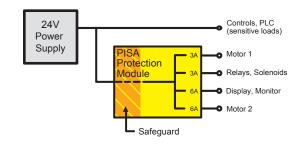
^{1 -} See data sheet for input voltage tolerances.



24V Protection Modules



PISA11 PISA11.401



Features

This protection module fulfills two basic functions. First, it distributes the current of a large power source to four lower current output channels, allowing for smaller wires to be used. The second function is to permit only so much current on the outputs that the input voltage of this unit (which corresponds to the output voltage of the power supply) does not fall below 21V. This ensures a reliable supply voltage for sensitive equipment, such as PLCs, controls or sensors, when they are connected directly to the same power supply as the PISA protection module.

The protection module has one 24V input and four output channels, to which the current is distributed. Each output channel is equipped with a redundant electronic over-current protection, which prevents overloads. All four output channels will shutdown simultaneously if the current of one individual channel or the maximum allowed current for the protection module is exceeded.

A safeguard circuit in the input stage of the PISA module works like a valve. It permits only so much current that the input voltage does not drop below 21V. In case the input voltage would fall below this value (due to overloads, too small of a power supply or high inrush currents) all four output channels will be actively current limited and will shutdown after a certain period of time.

PISA11 Pr	rotection Mod	lule						lωl	ī		ī	ı			
Output Voltage	Total Output Current	Out _l Channel 1	out Currer Channel 2	nt per Cha Channel 3	nnel Channel 4	DC Input Voltage ¹	Ferminals	0		Remote ON/OFF	100	Class I Division 2	Sync Feature	Catalog Number ²	List Price (USD)
	4A	1A	1A	1A	1A		•	•		•	•		•	PISA11.401	\$120.00
	8A	2A	2A	2A	2A		•	•		•	•		•	PISA11.402	\$120.00
	12A	3A	3A	3A	3A		•			•			•	PISA11.403	\$120.00
	16A	4A	4A	4A	4A		•		П	•	Т	П	•	PISA11.404	\$120.00
24 - 28VDC	20A	6A	6A	6A	6A	24 - 28VDC	•			•			•	PISA11.406	\$120.00
	20A	10A	10A	10A	10A		•	•		•			•	PISA11.410	\$120.00
	18A	3A	3A	6A	6A		•			•			•	PISA11.203206	\$120.00
	20A	6A	6A	12A	12A		•			•			•	PISA11.206212	\$120.00
	14 8A	3 7A	3 7A	3 7A	3 7A					• •	•	Г	•	PISA11 CLASS2	\$120.00

- 1 See data sheet for input voltage tolerances.
- 2 Available late 2011 or early 2012.



DC-UPS, Batteries & Buffer Modules



DC-UPS

UB10.241 Dimension DC-UPS Controller



UBC10.241 **Dimension DC-UPS**



UZK12.071 **Dimension Battery Module**

- DIN-Rail Mountable
- Preassembled
- Includes Two Input Fuses
- Convenient Connection Terminals



UF20.241 **Dimension Buffer Module**

- Service-Free Capacitors
- Bridges Short Power Failures
- Easy Installation

Features

Signaling Functions

- Requires Only One 12V Battery Regulated Output Voltage
- Electronically Protected
- Extensive Battery Management
- Signaling Functions
- MTBF over 1,400,000 hours

50-010						2 UI	_5
Output Voltage	Output Current	Battery Requirements	Input Voltage Power Supply / Battery	Special Features	Fuse	Catalog Number	List Price (USD)
12VDC / 24VDC	5A / 10A	External 3.9 - 40Ah	24 - 28.8VDC / 12VDC	Signaling Terminals	•	UB10.245	\$511.00
		External 3.9 - 40Ah	24 - 28.8VDC / 12VDC	Signaling Terminals	•	UB10.241	\$433.00
24VDC	10A	External 17 - 130Ah	24 - 28.8VDC / 12VDC	Signaling Terminals	•	UB10.242	\$455.00
		None - Internal 5Ah	24 - 28.8VDC / 12VDC	Signaling Terminals	•	UBC10.241	\$542.00

Batteries & Ba	attery Mountin	g Kits				
					701	LS Ì
Output Voltage	Amp Hour	Battery Type	Description	Fuse	Catalog Number	List Price (USD)
	5Ah	Battery Only	Replacement Battery for use with UBC10.241		UZB12.051	\$133.00
10) (D.0		With Mounting Kit	Battery with Mounting Kit for use with UB10	•	UZK12.071	\$255.00
12VDC (Only One 12VDC	7Ah	Battery Only	Replacement Battery for use with UZK12.071		UZB12.071	\$178.00
Battery Required		Mounting Kit Only	Mounting Kit for use with 7Ah Battery	•	UZO12.07	\$89.00
per UB10)		With Mounting Kit	Battery with Mounting Kit for use with UB10	•	UZK12.261	\$455.00
, ,	26Ah	Battery Only	Replacement Battery for use with UZK12.261		UZB12.261	\$377.00
		Mounting Kit Only	Mounting Kit for use with 26Ah Battery	•	UZO12.26	\$89.00
		<u> </u>				

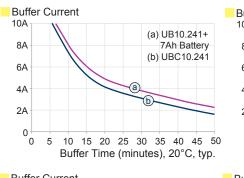
			Terminals	Clamp Terminals	Tern	Capable	Fuse	PUl	<u>.</u> s
Output Output Voltage Current	DC Input Voltage	Storage Element	Screw 1	Spring (Signaling	Parallel	Internal	Catalog Number	List Price (USD)
24 - 28.8VDC 20A	24 - 28.8VDC	Electrolytic Capacitors		•	•	•		UF20.241	\$365.00
24 20.0 00	2.4 - 20.0 V B O	Licotiony to Capacitors	•		•	•		SLV20.200	\$336.00
48 - 56VDC 20A	48 - 56VDC	Electrolytic Capacitors		•	•	•		UF20.481	\$365.00

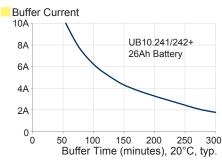


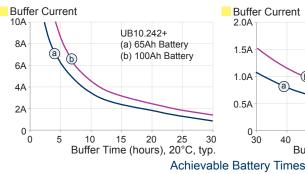
DC-UPS

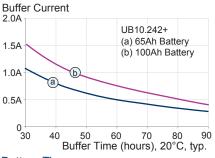
24V Not Buffered 24V Buffered 24V Buffered 24V Buffered DC-UPS 12V-Battery Loads Loads

Typical Wiring Scheme of a PULS DC-UPS





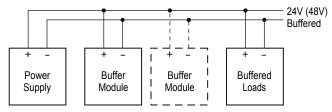




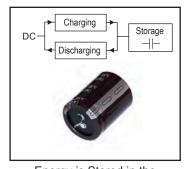
DC-UPS Advantages

- Requires only one 12V-battery to buffer 24V loads
- Easy battery replacement, no matched batteries required
- · Stabilized output voltage in buffer mode
- No dips of the DC voltage during transition from normal to buffer mode
- Superior battery management for longest battery service life
- Output is decoupled from the input to separate load circuits into buffered and non buffered sections
- · Electronically overload protected
- · Reverse polarity protection for battery input
- · Smart diagnostics and monitoring functions
- · "Replace Battery" signal included
- Selectable buffer time limiter

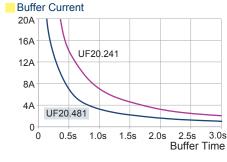
Buffer Modules



Typical Wiring Scheme for PULS Buffer Modules



Energy is Stored in the Capacitors and Released to the DC Bus when Needed.



Achievable Buffer Times

Buffer Module Advantages

- · Energy storage with electrolytic capacitors
- No service needed for the entire life span
- Can be used up to +70°C
- Stabilized output voltage in buffer mode
- No dips of the DC voltage during transition from normal to buffer mode
- Multiple units can be used in parallel to gain a longer buffer time or to increase the buffer current
- Selectable back-up behavior
- LED and transistor outputs to report the status of the unit
- · "Inhibit" input to disable buffering

Mounting Kits



ZM1.UBC10

Designed for Direct Panel or
Wall Mounting of the UBC10.241



SLZ02
Designed for Direct Panel or Wall Mounting of SilverLine Units



ZM1.WALL
Designed for Direct Panel or Wall Mounting
of Smaller Dimension Units



ZM11.SIDE – ZM15.SIDE

Designed for Sideways Mounting of Dimension
Units. For Use with or without DIN-Rail



ZM2.WALL
Designed for Direct Panel or Wall Mounting of Larger Dimension Units

Mounting Kits

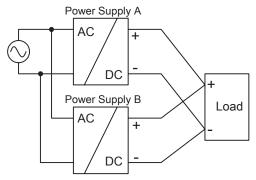
		701	LS
Mounting Type	Power Supply Type	Catalog Number	List Price (USD)
Panel Mount	All SilverLine (SL)	SLZ02	\$18.00
Panel Mount	UBC10	ZM1.UBC10	\$33.00
Panel Mount	CS3, CS5, CS10, CT5, CT10, QS3, QS5, QS10, QT20, QTD20, QS20.244, UF20, UB20, YR2 & YRM2	ZM1.WALL	\$18.00
Panel Mount	CS20, QS20, QS40, QT40, XT40, YR40 & YR80	ZM2.WALL	\$33.00
Side Mount	CS3, CS5, QS3, YR2 & YRM2	ZM11.SIDE	\$27.00
Side Mount	CT5 & QS5	ZM12.SIDE	\$27.00
Side Mount	CS10, CS20, CT10 & QS10	ZM13.SIDE	\$27.00
Side Mount	QT20 & UF20	ZM14.SIDE	\$31.00
Side Mount	QS20	ZM15.SIDE	\$31.00



Parallel & Series Connections

Paralleling to Increase Output Power

Paralleling allows flexibility and modularity to many applications. This approach allows readily available solutions using standard stock items without the need of looking for a custom model. Paralleling also allows future expansion without the need of replacing the original unit. Information as to which units can be paralleled for increased power can be found in this Selection Guide.



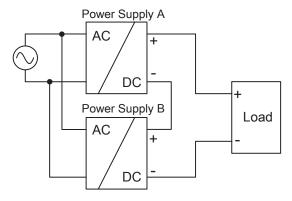
Parallel Connection to Increase the Output Power

Guidelines for Paralleling Supplies

- · Only use power supplies in the same family
- · Connect as many units in parallel as needed
- A fuse, breaker or redundancy module on the output is only required if more than three units are connected in parallel
- Adjust the output voltage of each supply to the same level
- Keep a side clearance between supplies of at least 15mm
- · Do not mount power supplies above each other
- · Use standard mounting orientation
- Leakage current, EMI, inrush current and harmonics will increase when connecting units in parallel

Series Connection to Increase Output Voltage

As with paralleling, a series connection allows flexibility and modularity to many applications. This approach allows readily available solutions using standard stock items without the need of looking for a custom model with a unique output voltage. Many PULS power supplies can be connected in series to increase the output voltage. Please check the data sheet to confirm which units can be put in series.



Series Connection to Increase the Output Voltage

Guidelines for Series Connections

- Only use identical power supplies
- Connect as many units in series as needed, as long as the output voltage does not exceed 150VDC
- Voltages with a potential above 60VDC are no longer SELV and can be hazardous. Install suitable protection for accidental contact
- Grounding of the output is required when the sum of the output voltage is above 60VDC
- Avoid return voltages such as from decelerating motors or batteries from being applied to the output terminals
- Keep a side clearance between supplies of at least 15mm
- Do not mount power supplies above each other
- · Use standard mounting orientation
- Leakage current, EMI, inrush current and harmonics will increase when connecting units in series



Alpha-Nu	umeric Listing with Dimensions & Agency Approvals		S			ision 2		.2	L & ABS)	Approved		1 CB Scheme	ce Approved	
Catalog Number	Item Description	Dimensions L x W x D (mm)	CE & ROHS	UL 508	UL 60950-1	Class I Divisi	ATEX	NEC Class	Marine (GL	DeviceNet	SEMI F47	IEC 60950-	AS-Interface	List Price (USD)
CD5.121	DC/DC Converter, 96W, 18-32VDC In, 12-15VDC Out, 8-6.4A	124 x 32 x 102 124 x 32 x 102	•	•	•	•		\Box	•	\Box		•		\$333
CD5.241 CD5.241-L1	DC/DC Converter, 120W, 18-32VDC In, 23-28VDC Out, 5-4.3A DC/DC Converter, 92W, 14-32VDC In, 24VDC Out, 3.8A, NEC Class 2	124 x 32 x 102	•	•	•	•	•		•		\dashv	•	\vdash	\$300 \$350
CD5.241-S1	DC/DC Converter, 120W, 18-32VDC In, 23-28VDC Out, 5-4.3A with Signal Contacts	124 x 32 x 102	•	•	•	•	•	Ĭ	•			•		\$344
CD5.242	DC/DC Converter, 120W, 36-60VDC In, 23-28VDC Out, 5-4.3A	124 x 32 x 102	•	•	•	•	_	Ш	•	\vdash	_	•		\$322
CD5.243 CS10.241	DC/DC Converter, 96W, 9-14VDC In, 23-28VDC Out, 4.2-3.4A Power Supply, 240W, 120/208/240VAC 1PH, 24-28VDC, 10-8.6A	124 x 32 x 102 124 x 60 x 117	•	•	•	•	H	Н	•		\dashv	•	\vdash	\$322 \$274
CS10.241-S1	Power Supply, 240W, 120/208/240VAC 1PH, 24-28VDC, 10-8.6A with Spring Clamps	124 x 60 x 117	•	•	•	•		H	•		\dashv	•	\vdash	\$305
CS10.242	Power Supply, 240W, 120/208/240VAC 1PH, 24-28VDC, 10-8.6-A with PFC	124 x 60 x 117	•	•	•	•			•			•		\$311
CS10.243	Power Supply, 240W, 120VAC 1PH, 24-28VDC, 10-8.6A	124 x 60 x 117	•	•	•	•		П	•	\Box		•		\$244
CS10.244	Power Supply, 240W, 208-240VAC 1PH, 24-28VDC, 10-8.6A	124 x 60 x 117 124 x 60 x 117	•	•	•	•	H	Н	•	\vdash	_	•	Ш	\$244
CS10.481 CS20.241	Power Supply, 240W, 120/208/240VAC 1PH, 48-52VDC, 5-4.6A Power Supply, 480W, 120-240VAC 1PH, 24-28VDC, 20-17.5A	124 x 65 x 127	•	•	•	•	Н	Н	-	_	\dashv		\vdash	\$344 \$430
CS3.241	Power Supply, 80W, 120-240VAC 1PH, 24-28VDC, 3.3-2.7A	124 x 32 x 102	•	•	•	•		•	•		\dashv	•	\vdash	\$155
CS5.241	Power Supply, 120W, 120/208/240VAC 1PH, 24-28VDC, 5-4.3A	124 x 32 x 117	•	•	•	•			•			•		\$205
CS5.241-C1	Power Supply, 120W, 120/208/240VAC 1PH, 24-28VDC, 5-4.3A with Conformal Coating	124 x 32 x 117	•	•	•	•		Ц	•	\blacksquare		•		\$255
CS5.241-S1	Power Supply, 120W, 120/208/240VAC 1PH, 24-28VDC, 5-4.3A with Spring Clamps	124 x 32 x 117 124 x 32 x 117	•	•	•	•	L	Н	•		_	•		\$233
CS5.243 CS5.244	Power Supply, 120W, 120VAC 1PH, 24-28VDC, 5-4.3A Power Supply, 120W, 208-240VAC 1PH, 24-28VDC, 5-4.3A	124 x 32 x 117		•	•	•	Н	Н	÷	_	\dashv	•	\vdash	\$178 \$178
CT10.241	Power Supply, 120W, 206-240VAC 1FH, 24-26VDC, 5-4-3A Power Supply, 240W, 380-480VAC 3PH, 24-28VDC, 10-9A	124 x 62 x 117	•	•	•	Ť		H	•	\vdash	•	•		\$344
CT10.481	Power Supply, 240W, 380-480VAC 3PH, 48-52VDC, 5-4.6A	124 x 62 x 117	•	•	•				•			•		\$422
CT5.121	Power Supply, 96W, 380-480VAC Input, 12-15VDC, 8-6.4A	124 x 40 x 117	•	•	•	Ĺ		Ц	•	Д		•		\$311
CT5.241 ML100.100	Power Supply, 120W, 380-480VAC Input, 24-28VDC, 5-4.5A Power Supply, 100W, 120/208/240VAC 1PH, 24-28VDC, 4.2-3.6A	124 x 40 x 117 75 x 73 x 103	•	•	•	•		$\vdash \vdash$	-	 	•	•		\$289 \$162
ML100.100 ML100.102	Power Supply, 100W, 120/206/240VAC 1PH, 24-26VDC, 4.2-3.6A Power Supply, 90W, 120/208/240VAC 1PH, 12-15VDC, 7.5-6A	75 x 73 x 103	•	•	•	•	Н	Н	•	_	\dashv	•	\vdash	\$210
ML100.105	Power Supply, 100W, 120/208/240VAC 1PH, 48-56VDC, 2.1-1.8A	75 x 73 x 103	•	•	•	Ė	Н	H	•		\neg	•		\$210
ML100.109	Power Supply, 100W, 120/208/240VAC 1PH, 24-28VDC, 4.2-3.6A with Conformal Coating	75 x 73 x 103	•	•	•	•			•			•		\$244
ML100.200	Power Supply, 100W, 380-480VAC Input, 24-28VDC, 4.2-3.6A	75 x 73 x 103	•	•	•				•	\square		•		\$239
ML15.051	Power Supply, 15W, 120-240VAC 1PH, 5-5.5VDC, 3A	75 x 22.5 x 91 75 x 22.5 x 91	•	•	•	•	H		•	\vdash	\dashv	•		\$72
ML15.121 ML15.241	Power Supply, 15W, 120-240VAC 1PH, 12-15VDC, 1.3-1A Power Supply, 15W, 120-240VAC 1PH, 24-28VDC, 0.63-0.54A	75 x 22.5 x 91	•	•	•	•	Н		•	_	\dashv	•	\vdash	\$72 \$64
ML30.100	Power Supply, 30W, 120-240VAC 1PH, 24-28VDC, 1.3-1A	75 x 45 x 91	•	•	•	•	Н	•	•		\dashv	•	Н	\$95
ML30.101	Power Supply, 25W, 120-240VAC 1PH, 5-5.5VDC, 5-4.5A	75 x 45 x 91	•	•	•	•		•	•	\Box		•		\$124
ML30.102	Power Supply, 30W, 120-240VAC 1PH, 10-12VDC, 3-2.5A	75 x 45 x 91	•	•	•	•	<u> </u>	•	_	\vdash	_	•		\$133
ML30.106 ML30.241	Power Supply, 36W, 120-240VAC 1PH, ±12 or ±15VDC, 0-2.8A Power Supply, 30W, 120-240VAC 1PH, 24-28VDC, 1.3-1.1A with Screw Terminals	75 x 45 x 91 75 x 22.5 x 91	•	•	•	•	H	•	•	-	\dashv	•	\blacksquare	\$139 \$100
ML50.241 ML50.100	Power Supply, 50W, 120-240VAC 1PH, 24-28VDC, 1.3-1.1A with Sciew Terminals Power Supply, 50W, 120-240VAC 1PH, 24-28VDC, 2.1-1.8A	75 x 45 x 91	•	•	•	•	Н		•	_	•	•	\vdash	\$100
ML50.101	Power Supply, 50W, 120-240VAC 1PH, 24-28VDC, 2.1-1.8A with Paralleling	75 x 45 x 91	•	•	•	•		•				•		\$151
ML50.102	Power Supply, 50W, 120-240VAC 1PH, 12-15VDC, 4.2-3.4A	75 x 45 x 91	•	•	•	•		•	=	\Box		•		\$155
ML50.105	Power Supply, 50W, 120-240VAC 1PH, 48-56VDC, 1.05-0.9A Power Supply, 50W, 120-240VAC 1PH, 24-28VDC, 2.1-1.8A with Conformal Coating	75 x 45 x 91 75 x 45 x 91	•	•	•	•	H	•	-		\dashv	•		\$140
ML50.109 ML50.111	Power Supply, 50W, 120-240VAC 1PH, 24-28VDC, 2.1-1.6A with Comornial Coating Power Supply, 50W, 120-240VAC 1PH, 24-28VDC, 2.1-1.8A with Screw Terminals	75 x 45 x 98	•	•	•	۳	Н		•		\dashv	•	\vdash	\$178 \$151
ML60.121	Power Supply, 54W, 120-240VAC 1PH, 12-15VDC, 4.5-3.6A	75 x 45 x 91	•	•	•	•		•	•			•		\$155
ML60.122	Power Supply, 54W, 120-240VAC 1PH, 12-15VDC, 4.5-3.6A with -40°C Rating	75 x 45 x 91	•	•	•	•		•	•	\Box		•		\$178
ML60.241	Power Supply, 60W, 120-240VAC 1PH, 24-28VDC, 2.5-2.1A	75 x 45 x 91	•	•	•	•	_	•	•	\vdash	_	•		\$128
ML60.242 ML70.100	Power Supply, 60W, 120-240VAC 1PH, 24-28VDC, 2.5-2.1A with -40°C Rating Power Supply, 72W, 120/208/240VAC 1PH, 24-28VDC, 3-2.6A	75 x 45 x 91 75 x 45 x 91	•	•	•	•	H	•	•	_	\dashv	•	\vdash	\$167 \$144
ML90.200	Power Supply, 90W, 380-480VAC Input, 24-28VDC, 3.75-3.2A	75 x 73 x 103	•	•	•	H	Н	•	÷		\dashv	÷	\vdash	\$239
ML95.100	Power Supply, 95W, 120/208/240VAC 1PH, 24-28VDC, 3.9-3.2A	75 x 73 x 103	•	•	•	•		•				•		\$209
MLY02.100	Redundancy Module, 10-60VDC, 10A, Dual Input	75 x 45 x 91	•	•	•	•	•	Ц	•	\Box		•		\$61
MLY10.241	Redundancy Module, 10-60VDC, 10A, Dual Input with Screw Terminals	75 x 45 x 91 75 x 45 x 91	•	•	•	•	•	Н	•	\vdash	_	•		\$61
PISA11.401 PISA11.402	Protection Module, 4 Channel Output, 4 x 1A Protection Module, 4 Channel Output, 4 x 2A	75 x 45 x 91	•	-	_		Н	Н	\dashv	_	\blacksquare		\vdash	\$120 \$120
PISA11.403	Protection Module, 4 Channel Output, 4 x 2A Protection Module, 4 Channel Output, 4 x 3A	75 x 45 x 91	•	•	_			Н	\neg			•	Н	\$120
PISA11.404	Protection Module, 4 Channel Output, 4 x 4A	75 x 45 x 91	•	•	•							•		\$120
PISA11.406	Protection Module, 4 Channel Output, 4 x 6A - 20A Max	75 x 45 x 91	•	•	_			Ц		\Box		•		\$120
PISA11.410 PISA11.203206	Protection Module, 4 Channel Output, 4 x 10A - 20A Max	75 x 45 x 91 75 x 45 x 91	•	•	•	\vdash		$\vdash \vdash$		 		•		\$120 \$120
PISA11.203206 PISA11.206212	Protection Module, 4 Channel Output, 2 x 3A & 2 x 6A - 20A Max Protection Module, 4 Channel Output, 2 x 6A & 2 x 12A - 20A Max	75 x 45 x 91		•	•	\vdash		\vdash		\vdash				\$120 \$120
PISA11.CLASS2	Protection Module, 4 Channel Output, 4 x NEC Class 2 Circuits - 14.8A Max	75 x 45 x 91	•	•	•			•				•		\$120
QS10.121	Power Supply, 180W, 120-240VAC 1PH, 12-15VDC, 15-12A	124 x 60 x 117	•	•	•	•		口	•	_	•	•		\$416
QS10.241	Power Supply, 240W, 120-240VAC 1PH, 24-28VDC, 10-9A	124 x 60 x 117 124 x 60 x 117	•	•		_		Н	•	_	•	•		\$384
QS10.241-A1 QS10.241-C1	Power Supply, 240W, 120-240VAC 1PH, 24-28VDC, 10-9A with ATEX Approval Power Supply, 240W, 120-240VAC 1PH, 24-28VDC, 10-9A with Conformal Coating	124 x 60 x 117	•	•	•	•	•	$\vdash \vdash$	•	_	•			\$577 \$477
QS10.241-C1 QS10.301	Power Supply, 240W, 120-240VAC 1PH, 24-26VDC, 10-9A with Combinal Coaling	124 x 60 x 117	•	•	•	•		H	•	\vdash		•		\$444
QS10.481	Power Supply, 240W, 120-240VAC 1PH, 48-56VDC, 5-4.3A	124 x 60 x 117	•	•	•	•			•			•		\$513
QS10.DNET	DeviceNet Power Supply, 192W, 120-240VAC 1PH, 24VDC, 8A	124 x 60 x 117	•	•	•	•		Щ	•	_	•	•		\$466
QS20.241 QS20.241 A1	Power Supply, 480W, 120-240VAC 1PH, 24-28VDC, 20-17.5A	124 x 82 x 127 124 x 82 x 127	•	•	•	•	•	$\vdash \vdash$	•	_	•	•		\$533
QS20.241-A1 QS20.241-C1	Power Supply, 480W, 120-240VAC 1PH, 24-28VDC, 20-17.5A with ATEX Approval Power Supply, 480W, 120-240VAC 1PH, 24-28VDC, 20-17.5A with Conformal Coating	124 x 82 x 127	•	•	•	•		\vdash	•	_		•		\$844 \$605
QS20.241-C1	Power Supply, 480W, 208-240VAC 1PH, 24-28VDC, 20-17.5A with Contomial Coating	124 x 70 x 127	•	•	•	_		Н	•			•		\$477
QS20.361	Power Supply, 480W, 120-240VAC 1PH, 36-42VDC, 13.3-11.4A	124 x 82 x 127	•	•	•	•			•			•		\$694
QS20.481	Power Supply, 480W, 120-240VAC 1PH, 48-55VDC, 10-8.7A	124 x 82 x 127	•	•	•	•		Д	•	Д		•		\$583
QS3.241	Power Supply, 80W, 120-240VAC 1PH, 24-28VDC, 3.4-3A	124 x 32 x 102	•	•	•	•		Щ	•	\vdash	•	•		\$205
QS40.241 QS40.244	Power Supply,960W, 120-240VAC 1PH, 24-28VDC, 40-34.3A Power Supply,960W, 208-240VAC 1PH, 24-28VDC, 40-34.3A	124 x 125 x 127 124 x 125 x 127	•	•	•	\vdash		$\vdash \vdash$	•	\vdash	•	•		\$850 \$755
QS40.244 QS40.484	Power Supply,960W, 208-240VAC 1PH, 24-26VDC, 40-34.3A Power Supply,960W, 208-240VAC 1PH, 48-56VDC, 20-17.8A	124 x 125 x 127	•	•	•			$\vdash \vdash$	÷	 		•		\$755 \$910
QS5.241	Power Supply, 120W, 120-240VAC 1PH, 24-28VDC, 5-4.5A	124 x 40 x 117	•	•	•	•		H	•		•	•		\$281
QS5.241-A1	Power Supply, 120W, 120-240VAC 1PH, 24-28VDC, 5-4.5A with ATEX Approval	124 x 40 x 117	•	•	•	•	•	口	•		•	•		\$444
QS5.DNET	DeviceNet Power Supply, 92W, 120-240VAC 1PH, 24VDC, 3.8A	124 x 40 x 117	•	•	•	_		•	•	_	•	•		\$333
QT20.241	Power Supply, 480W, 380-480VAC 3PH, 24-28VDC, 20-17.5A Power Supply, 480W, 380-480VAC 3PH, 24-28VDC, 20-17.5A with Conformal Coating	124 x 65 x 127 124 x 65 x 127	•	•	•	•		$\vdash \vdash$	•	_	•	•		\$542 \$605
OT20 244 C4		127 A OU A 121				. •		ш	_	—		_		\$605
QT20.241-C1 QT20.361		124 x 65 x 127	•	•	•	•			•	1 l		•		\$720
QT20.241-C1 QT20.361 QT20.481	Power Supply, 480W, 380-480VAC 3PH, 36-42VDC, 13.3-11.4A Power Supply, 480W, 380-480VAC 3PH, 48-55VDC, 10-8.7A	124 x 65 x 127 124 x 65 x 127 124 x 110 x 127	•	•	_	_			•	\exists		•		\$720 \$611



	lumeric Listing with Dimensions & Agency Approvals	Discontinu	SHO		50-1	Class I Division 2		2 88 2	Marine (GL & ABS)	Ever Approved	60950-1 CB Scheme	rface Approved	
Catalog Number	Item Description	Dimensions LxWxD(mm)	CE & ROHS	UL 508	UL 60950-1	Class	ATEX		Marine	SEMIE	EC 609	AS-Interface	List Price (USD)
QT40.481	Power Supply, 960W, 380-480VAC 3PH, 48-55VDC, 20-17.5A	124 x 110 x 127		•	•	•		_	•		•		\$866
QTD20.241	DC/DC Converter, 480W, 360-600VDC In, 24-28VDC Out, 20-17.5A	124 x 65 x 127	•	•				4	_	_	_		\$544
SL10.100	Power Supply, 240W, 120/208/240VAC 1PH, 24-28VDC, 10-8.6A	124 x 120 x 102	•	•	•	•		+	_	_	•		\$354
SL10.101	Power Supply, 240W, 120/208/240VAC 1PH, 48-56VDC, 5-4.3A	124 x 120 x 102 124 x 120 x 102	•	•	•	-	_	+	-	+	•	-	\$473
SL10.104	Power Supply, 180W, 120/208/240VAC 1PH, 12-15VDC, 15-12A Power Supply, 240W, 120/208/240VAC 1PH, 24-28VDC, 10-8.6A with PFC	124 x 120 x 102	•	•	•	•		+	_	-	•		\$523
SL10.105 SL10.106	Power Supply, 240W, 120/206/240VAC 1PH, 24-26VDC, 10-6.6A with PFC Power Supply, 240W, 120/208/240VAC 1PH, 48-56VDC, 5-4.3A with PFC	124 x 120 x 102		•	•	-		+		-	•		\$444 \$478
SL10.300	Power Supply, 240W, 380-480VAC 3PH, 24-28VDC, 10-8.6A	124 x 89 x 117	•	•	•	\dashv		+			•		\$371
SL10.305	Power Supply, 240W, 380-480VAC 3PH, 48-52VDC, 5-4.6A	124 x 89 x 117	•	•	•	\neg		+			Ť		\$473
SL10.309	Power Supply, 240W, 380-480VAC 3PH, 24-28VDC, 10-8.6A with Conformal Coating	124 x 89 x 117	•	•	•	\neg					•		\$467
SL2.100	Power Supply, 60W, 120/208/240VAC 1PH, 24VDC, 2.5A	124 x 49 x 102	•	•	•			•			•		\$186
SL2.103	Power Supply, 40W, 120/208/240VAC 1PH, 12-15VDC., 3-2.7A	124 x 49 x 102	•										\$203
SL20.100	Power Supply, 480W, 208-240VAC 1PH, 24-28VDC, 20-18A	124 x 220 x 102	•	•	•						•		\$613
SL20.101	Power Supply, 480W, 208-240VAC 1PH, 24-28VDC, 20-18A with PFC	124 x 220 x 102	•	•	•						•		\$602
SL20.110	Power Supply, 480W, 120/208/240VAC 1PH, 24-28VDC, 20-18A	124 x 220 x 102	•	•	•	_		_			•		\$602
SL20.111	Power Supply, 480W, 120/208/240VAC 1PH, 24-28VDC, 20-18A with PFC	124 x 220 x 102	•	•	•	_		_		_	•		\$624
SL20.112	Power Supply, 480W, 120/208/240VAC 1PH, 36-43VDC, 13.3-11.2A	124 x 220 x 102	•	•	•	_		_		_	•		\$686
SL20.113	Power Supply, 480W, 120/208/240VAC 1PH, 48-56VDC, 10-8.6A	124 x 220 x 102	•	•	•	_		4	1	+	•		\$675
SL20.115	Power Supply, 480W, 120/208/240VAC 1PH, 24-28VDC, 20-18A	124 x 220 x 102 124 x 220 x 102	•	•	•	_		+	-	+	•		\$647
SL20.300	Power Supply, 480W, 380-400VAC 3PH, 24-28VDC, 18-20A	124 x 220 x 102 124 x 220 x 102	•	•	•	\dashv		+	-	+	•		\$549 \$540
SL20.301 SL20.303	Power Supply, 480W, 480VAC 3PH, 24-28VDC, 20-18A Power Supply, 480W, 380-400VAC 3PH, 48-56VDC, 9-10A	124 x 220 x 102 124 x 220 x 102		•	•	\dashv	-	+	-	+	•		\$549 \$563
SL20.303 SL20.310	Power Supply, 480W, 380-400VAC 3PH, 48-50VDC, 9-10A Power Supply, 480W, 380-480VAC 3PH, 24-28VDC, 20-18A	124 x 150 x 121			•	\dashv		-			•		\$563 \$549
SL30.310	Power Supply, 720W, 208-240VAC 1PH, 24-28VDC, 30-26A	124 x 240 x 112		•	•	\dashv		-			•		\$549 \$709
SL30.300	Power Supply, 720W, 380-480VAC 3PH, 24-28VDC, 30-26A	124 x 240 x 112	•	•	•	\dashv		+			•		\$664
SL4.100	Power Supply, 96W, 120/208/240VAC 1PH, 24VDC, 4A	124 x 64 x 103	•	•	•			•			•		\$296
SL40.300	Power Supply, 960W, 380-480VAC 3PH, 24-28VDC, 40-35A	124 x 275 x 117	•	•	•	\dashv		1			•		\$759
SL40.301	Power Supply, 960W, 380-480VAC 3PH, 24-28VDC, 40-35A with Signaling	124 x 275 x 117	•	•	•						•		\$816
SL5.100	Power Supply, 120W, 120/208/240VAC 1PH, 24VDC, 5A	124 x 64 x 102	•	•	•						•		\$281
SL5.102	Power Supply, 120W, 120/208/240VAC 1PH, 24-28VDC, 5-4.3A	124 x 64 x 102	•	•	•						•		\$281
SL5.105	Power Supply, 120W, 120/208/240VAC 1PH, 24-28VDC, 5-4.3A with PFC	124 x 64 x 102	•	•	•						•		\$344
SL5.300	Power Supply, 120W, 380-480VAC 3PH, 24-28VDC, 5-4.3A	124 x 73 x 117	•	•	•	_		_	•		•		\$309
SLA3.100	AS-Interface Power Supply, 85W, 120/208/240VAC 1PH, 30.5VDC, 2.8A	124 x 49 x 102	•	•	•	_	_	•		_	•	•	\$506
SLA4.100	AS-Interface Power Supply, 120W, 120/208/240VAC 1PH, 30.5VDC, 4A	124 x 73 x 102	•	•	•	_		_	_	_	_	•	\$574
SLA8.100	AS-Interface Power Supply, 240W, 120/208/240VAC 1PH, 30.5VDC, 8A	124 x 91 x 102	•	•	•	_	_	_	_	-	•	•	\$788
SLA8.300	AS-Interface Power Supply, 240W, 380-480VAC 3PH, 30.5VDC, 8A	124 x 129 x 117 124 x 40 x 102	•		•	\dashv	_	+	_	+	-	•	\$1,082
SLAD4.100 SLD2.100	AS-Interface DC/DC Converter, 120W, 18-32VDC In, 30.5VDC Out, 4A DC/DC Converter, 40W, 18-36VDC In, 4.5-5.5VDC Out, 8A	124 x 49 x 102		•	-	\dashv	-	+	-	+	•	-	\$662 \$298
SLR01	Redundancy Module, 24-28VDC, 40A, Single Input	124 x 48 x 117		•	•	\dashv	_	-	_	+	•	\vdash	\$182
SLR01	Redundancy Module, 24-28VDC, 40A, Single input Redundancy Module, 24-28VDC, 30A, Dual Input	124 x 48 x 102		•	•	\dashv		+			•		\$198
SLR10.100	Redundancy Power Supply, 240W, 120/208/240VAC 1PH, 24VDC, 10A	124 x 120 x 102	•	•	•	\neg		+			•		\$455
SLR2.100	Redundancy Power Supply, 60W, 120/208/240VAC 1PH, 24VDC, 2.5A	124 x 49 x 102	•	•	•			•			•		\$222
SLR5.100	Redundancy Power Supply, 120W, 120/208/240VAC 1PH, 24VDC, 5A	124 x 64 x 102	•	•	•						•		\$315
SLV20.200	Buffer Module, 24-28VDC, 20A	124 x 64 x 102	•	•	•						•		\$336
SLZ02	Mounting Bracket, For Panel Mounting SilverLine Power Supplies	42 x 30 x 14	•										\$18
SLZ10	Adapter, 40mm, For S7-300 Rail	125 x 42 x 18	•	\Box									\$27
SLZ11	Adapter, 51mm, For S7-300 Rail	125 x 51 x 18	•	ш	Щ	_		_		_	_		\$27
SLZ12	Adapter, 66mm, For S7-300 Rail	125 x 66 x 18	•	ш	Щ	_		_	_	_	_		\$27
SLZ13	Adapter, 90mm, For S7-300 Rail	125 x 90 x 18 125 x 121 x 18	•	Н	Н	-	_	+	_	-	-		\$27
SLZ14	Adapter, 121mm, For S7-300 Rail	124 x 49 x 117	•		•			-					\$32
UB10.241 UB10.242	DC-UPS Controller, 24VDC, 10A, For 3.9-40Ah Battery DC-UPS Controller, 24VDC, 10A, For 17-130Ah Battery	124 x 49 x 117		•		•	-	-		+	•	\vdash	\$433 \$455
UB10.245	DC-UPS Controller, 10A, 24-28VDC & 5A, 12VDC Out, 240W Max. For 3.9-40Ah Battery	124 x 49 x 117		•		•		-	-	+	•		\$455 \$511
UBC10.241	DC-UPS, 24VDC, 10A with Internal 5Ah Battery	124 x 123 x 119	_	•		•		+			•		\$542
UBC10.241-N1	DC-UPS, 24VDC, 10A without Internal 5Ah Battery	124 x 123 x 119	•	•	•	•		_			•		\$466
UF20.241	Buffer Module, 24-28VDC, 20A	124 x 64 x 102	•	•	•	\neg				\top	•		\$365
UF20.481	Buffer Module, 48-56VDC, 20A	124 x 64 x 102	•	•	•						•		\$365
UZB12.051	Battery Only, For DC-UPS, 12V, 5Ah (Replacement)	106 x 90 x 70	•										\$133
UZB12.071	Battery Only, For DC-UPS, 12V, 7Ah (Replacement)	98 x 151 x 65	•			\Box		I		T			\$178
UZB12.261	Battery Only, For DC-UPS, 12V, 26Ah (Replacement)	125 x 175 x 166	•	П		┚							\$377
UZK12.071	Battery with Mounting Kit, For DC-UPS, 12V, 7Ah	124 x 155 x 112	•	Щ		_]		_	•	1	1		\$255
UZK12.261	Battery with Mounting Kit, For DC-UPS, 12V, 26Ah	158 x 214 x 179	•	Ш		_		_		-	-		\$455
UZO12.07	Mounting Kit Only, For 7Ah Battery	124 x 155 x 112	•	Щ		_		_		-	-		\$89
UZO12.26	Mounting Kit Only, For 26Ah Battery	158 x 214 x 179	•	닏		_		-	•		-		\$89
XT40.241	Power Supply for Power Applications, 960W, 380-400VAC 3PH, 24VDC, 40A	124 x 96 x 157 124 x 96 x 157	_	•	_	-	_	+	-	+	•		\$611
XT40.242	Power Supply for Power Applications, 960W, 480VAC 3PH, 24VDC, 40A Power Supply for Power Applications, 960W, 380-400VAC 3PH, 36VDC, 26.6A	124 x 96 x 157		•		\dashv		+			•		\$611
XT40.361 XT40.362	Power Supply for Power Applications, 960W, 380-400VAC 3PH, 36VDC, 26.6A Power Supply for Power Applications, 960W, 480VAC 3PH, 36VDC, 26.6A	124 x 96 x 157	_	•	_	\dashv		+	-	+	•		\$666 \$666
XT40.481	Power Supply for Power Applications, 960W, 460VAC 3PH, 36VDC, 26.6A Power Supply for Power Applications, 960W, 380-400VAC 3PH, 48VDC, 20A	124 x 96 x 157	_	•		\dashv		+		+	•		\$605 \$611
XT40.481	Power Supply for Power Applications, 960W, 480VAC 3PH, 48VDC, 20A Power Supply for Power Applications, 960W, 480VAC 3PH, 48VDC, 20A	124 x 96 x 157				\dashv		+			•		\$611
XT40.721	Power Supply for Power Applications, 960W, 380-400VAC 3PH, 72VDC, 13.3A	124 x 96 x 157	_	•	_	\dashv		1			•		\$694
XT40.722	Power Supply for Power Applications, 960W, 480VAC 3PH, 72VDC, 13.3A	124 x 96 x 157	•	•	•	\dashv		1			•		\$694
YR2.DIODE	Redundancy Module, 10-60VDC, 20A, Dual Input	124 x 32 x 102	•	•	-	•	•		•		•		\$100
YR40.241	Redundancy Module, 24-28VDC, 40A, Dual Input	124 x 36 x 127	•	•	•	•	•		•		•		\$194
YR80.241	Redundancy Module, 24-28VDC, 80A, Dual Input	124 x 46 x 127	•	•	•	•	•	J	•	I	•		\$322
YRM2.DIODE	Redundancy Module, 24-60VDC, 20A, Dual Input with Monitor	124 x 32 x 117	•	•	•	•	•	_	•		•		\$133
ZM1.UBC10	Mounting Bracket, For Panel Mounting UBC10 DC-UPS	156 x 123 x 13	•	Ш		\Box		_[•		1		\$33
ZM1.WALL	Mounting Bracket, For Panel Mounting Dimension Power Supplies	143 x 8 x 7	•	Ш		_		4		-	_		\$18
ZM11.SIDE	Mounting Bracket, For Side Mounting Dimension Power Supplies	65 x 145 x 37	•	Щ		_		4		-	-		\$27
ZM12.SIDE	Mounting Bracket, For Side Mounting Dimension Power Supplies	65 x 145 x 44	•	Н		_		4	-	+	-		\$27
ZM13.SIDE	Mounting Bracket, For Side Mounting Dimension Power Supplies	65 x 145 x 63	•	Н		_		4		-	-		\$27
ZM14.SIDE	Mounting Bracket, For Side Mounting Dimension Power Supplies	65 x 145 x 76	•	Н		-		+	-	+	+		\$31
ZM15.SIDE ZM2.WALL	Mounting Bracket, For Side Mounting Dimension Power Supplies Mounting Bracket, For Panel Mounting Large Dimension Power Supplies	65 x 145 x 85 145 x 18 x 28	•	Н		-	-	+	•	+	+		\$31 \$33
						- 1		- 1			-		



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